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10/609,112	06/26/2003	Mathew E. Hoekstra	110466-152110	9254

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SCHWABE, WILLIAMSON & WYATT, P.C.
PACWEST CENTER, SUITE 1900
1211 S.W. FIFTH AVE.
PORTLAND, OR 97204

EXAMINER

FRITZ, BRADFORD F

ART UNIT	PAPER NUMBER
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2141

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07/17/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/609,112

Applicant(s)

HOEKSTRA ET AL.

Examiner

Bradford F. Fritz

Art Unit

2141

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 April 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2 and 4-29 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2 and 4-29 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-23 and 26-29 have been considered but are moot in view of the new ground(s) of rejection.
2. Applicant's arguments with respect to claims 24 and 25 have been fully considered but they are not persuasive.
3. In the remarks, applicant argued in substance that:

(A) Prior art does not teach a proxy for managing communications.

As to point (A), Egli teaches a intermediary server that caches contents between the client and content server (see Fig. 3, item 320 *specifically items 321 and 327*), meeting the above limitation.

(B) Prior art does not teach at least one agent for inspecting the system for various characteristics.

As to point (B), Egli teaches at least one agent (CCM) for inspecting the system for various characteristics (see paragraph 0059), which states "the **CCM determines the capabilities of the client device** in an intelligent fashion by examining the client request to the server to obtain information about the client device and by comparing this information to known device characteristics and capabilities stored in its data store" (paragraph 0059).

(C) Prior art does not teach a manager having an interface communicatively coupled to the proxy.

As to point (C), Egli teaches a manager having an interface communicatively coupled to the proxy (Fig. 1). The Examiner notes that there are interfaces between the CCM (*manager*) and the cached information from the Internet site server (Fig.1 *specifically items 330, 327, and 322*).

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1-23 and 26-29 rejected under 35 U.S.C. 102(e) as being anticipated by Nilsson et al. (7,120,695).

6. Claims 24 and 25 are rejected under 35 U.S.C. 102(e) as being anticipated by Egli et al. (2003/0110234), hereinafter referred to as Egli.

7. Regarding claims 1 and 26, Nilsson disclosed first requesting, by the client device, a first content from a content provider, the first content arranged in a hierarchical structure (*sub-pages of the website*) (column 3, lines 1-7); providing, by the client

device, a characteristic profile (*minimal CPI*) to the content provider indicating characteristics of the client (column 3, lines 1-7); receiving, by the client device, a first reply from the content provider responsive to the first requesting (column 3, lines 7-10), the first reply including a query for a characteristic of the client (column 3, lines 44-48 and lines 29-35); second requesting, by the client device, the first content from the content provider, the second requesting incorporating a query result (*flag/attribute set for complete CPI*) for the query (column 3, lines 35-38 and lines 43-50); second receiving, by the client device, a second reply from the content provider responsive to the second requesting (column 3, lines 43-50 and 55-67), the second reply including the first content or portion thereof (column 3, lines 43-50 and 55-67), wherein the first content or portion thereof is determined based at least in part on the characteristic (column 3, lines 43-50 and 55-67); and determining, by the client device, if the content provider wants the query result to be automatically incorporated (*flag/attribute set for including full CPI for each subsequent request*) into a third requesting of second content from the content provider that is lower in the hierarchical structure (*sub-pages of the website*) than the first content (column 3, lines 43-50 and 55-67).

8. Regarding claims 16 and 28, Nilsson disclosed receiving, by a content provider, from a client a first request for first content and a characteristic profile indicating characteristics of the client (column 3, lines 1-10); providing, by the content provider, a first response to the request of the client lacking all of the requested first content (column 3, lines 1-10), but wherein the first response incorporates a query for a characteristic of the client (column 3, lines 43-54); receiving, by the content provider, a

second request for the first content, wherein the second request incorporates a query result for the query (column 3, lines 43-54); and providing, by the content provider, the first content to the client in accord with the query result (column 3, lines 1-10).

9. Regarding claim 22, Egli disclosed a content provider communicatively coupled with a client (Fig. 1); wherein the content provider is operative to perform receiving from the client a first request for first content and a characteristic profile indicating characteristics of the first client (column 2, lines 40-47 and column 3, lines 1-10), determining whether the client may be queried for characteristics (column 3, lines 43-54), providing a response to the first request of the client, the response lacking all of the requested first content (column 3, lines 1-10), but wherein the response incorporates a query for a characteristic of the client (column 3, lines 35-38 and lines 43-50), receiving a second request for the first content incorporating a query result for the query (column 3, lines 35-38 and lines 43-50), and providing the first content to the client in accord with the query result (column 3, lines 35-38 and lines 43-50); and wherein the client is operative to perform parsing the response to determine the query (column 3, lines 35-38 and lines 43-50), determining the query result, and providing the query result to the content provider in at least a second request for content (column 3, lines 35-38 and lines 43-50).

10. Regarding claim 24, Egli disclosed a proxy for managing communication with a content provider (paragraphs 0068-71, 0081-83), the proxy operable to parse data received from a content provider to determine a query for a characteristic of the system (paragraphs 0068-71, 0081-83), and to provide a query result to the content provider

incorporating the characteristic of the system (paragraphs 0068-71, 0081-83 and claims 16 and 60); at least one agent for inspecting the system for various characteristics of the system (paragraphs 0068-71, 0081-83); and a manager having an interface communicatively coupled with the proxy to allow the proxy to direct the manger to dynamically instantiate an agent to determine the query result responsive to the query (paragraphs 0068-71, 0081-83, the CCM).

11. Regarding claim 2, Nilsson disclosed a third requesting a second content from the content provider, wherein the third requesting automatically incorporates the query result for the query (column 3, lines 35-38 and lines 43-50).

12. Regarding claim 4, Nilsson disclosed determining if the content provider is caching the query result, and if so, determining if the query result has changed since the first requesting (column 3, lines 35-38 and lines 43-50); and wherein if the query result has not changed, said third request does not incorporate the query result for the query (column 3, lines 35-38 and lines 43-50).

13. Regarding claim 5, Nilsson disclosed wherein if the query result has changed, said third request automatically incorporates the query result for the query (column 3, lines 35-38 and lines 43-50).

14. Regarding claim 6, Nilsson disclosed determining if the content provider is caching the query result (column 3, lines 35-38 and lines 43-50), and if so, determining if the query result has changed since the first requesting (column 3, lines 35-38 and lines 43-50); and wherein if the query result has not changed, said third request does not incorporate the query result for the query (column 3, lines 35-38 and lines 43-50),

and wherein if the query result has changed, said third request automatically incorporates the query result for the query (column 3, lines 35-38 and lines 43-50).

15. Regarding claim 7, Nilsson disclosed storing the query result in a HyperText Transport Protocol (HTTP) request header provided to the content provider (column 3, line 1-10 and lines 55-63).

16. Regarding claim 8, Nilsson disclosed wherein the query is received in a HyperText Transport Protocol (HTTP) response header provided by the content provider (column 3, line 1-10 and lines 55-63).

17. Regarding claim 9, Nilsson disclosed wherein requesting the content and receiving the first reply is performed according to the Composite Capability/Preference Profiles (CC/PP) protocol (column 2, lines 40-47).

18. Regarding claim 10, Nilsson disclosed wherein the characteristic profile includes an entry indicating whether the client can be queried for an operational characteristic (column 3, lines 35-38 and lines 43-50).

19. Regarding claim 11, Nilsson disclosed wherein the characteristic profile is formatted as a UAProf profile (column 2, lines 40-47).

20. Regarding claim 12, Nilsson disclosed wherein the first reply comprises a selected one of the content or a frame-set for the content (column 3, line 1-10 and lines 55-63).

21. Regarding claims 13 and 20, Nilsson disclosed wherein the characteristic is a selected one of processor type, processor speed, processor mode, available memory, available storage, or available network connectivity (column 2, lines 40-47).

22. Regarding claim 14, Nilsson disclosed wherein the characteristic is a selected one of availability of: peer clients, a camera, a microphone, a text to speech converter, a speech to text converter, a soft radio, a graphics processor (column 2, lines 40-47).

23. Regarding claim 15, Nilsson disclosed wherein the characteristic is availability of an encryption processor (column 2, lines 53-59).

24. Regarding claim 17, Nilsson disclosed wherein the characteristic profile indicates the client may be queried for characteristics not identified in the characteristic profile (column 3, lines 35-38 and lines 43-50).

25. Regarding claim 18, Nilsson disclosed wherein the characteristic reflects an operational characteristic of the client (column 2, lines 40-47).

26. Regarding claim 19, Nilsson disclosed wherein the operational characteristic is a real-time attribute which changes while the client is operating (column 2, lines 40-47).

27. Regarding claim 23, Nilsson disclosed wherein the client and content provider utilize HTTP to exchange data in accord with the CC/PP protocol (column 3, line 1-10 and lines 55-63).

28. Regarding claim 25, Egli disclosed a memory for storing directives for at least the manager, the directives including: a first directive to store a copy of a default characteristic profile for the system into the memory (paragraphs 0068-71, 0081-83, cache); a second directive to identify an entry in the copy for which the agent is required to determine a value (paragraphs 0068-71, 0081-83); a third directive to dynamically load the agent to determine the value (paragraphs 0068-71, 0081-83); a fourth directive

to store the value in the copy of the default characteristics profile (paragraphs 0068-71, 0081-83).

29. Regarding claim 27, Nilsson disclosed determining the content is arranged in a hierarchical structure (column 3, lines 1-7); and determining if the content provider wants the query result to be automatically incorporated into a third requesting of second content from the content provider that is lower in the hierarchical structure than the first content (column 3, lines 35-38 and lines 43-50).

Claim Rejections - 35 USC § 103

30. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

31. Claims 21 and 29 is rejected under 35 U.S.C. 103(a) as being unpatentable over Nilsson in view of Hild et al (6,978,373), hereinafter referred to as Hild.

32. Regarding claims 21 and 29, Nilsson disclosed the invention as described above. However Nilsson does not teach issuing a set-cookie command to the client to associate at least the first content with a cookie, wherein the cookie indicates the query result will be cached for all content associated with the cookie. Hild teaches a system that can use a set-cookie command to the client to associate at least the first content with a cookie, wherein the cookie indicates the query result will be cached for all content

associated with the cookie (column 6, lines 52-65). It would have been obvious to one of ordinary skill in the art at the time the invention was made to include the cookie feature as taught by Hild in the method and system of Nilsson because both Hild and Nilsson are from the same field of endeavor of delivering networked content based on the CC/PP protocol and because the format of a cookie is another suitable format for storing a client's profile information (column 6, lines 58-61).

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bradford F. Fritz whose telephone number is 571-272-3860. The examiner can normally be reached on 8:00 - 4:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rupal Dharia can be reached on 571-272-3880. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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BF



ANDREW CALDWELL
SUPERVISORY PATENT EXAMINER